

Data Collectors: <u>Chris Hamerle, Scott VanEgeren</u>		Date: <u>8-24-11</u>	
Lake Name: <u>Somolake</u>		County: <u>Lincoln</u>	WBIC: <u>1547700</u>
Start Time: <u>9:15</u>	End Time: <u>13:55</u>	Secchi Depth: <u>2.1</u>	Conductivity: <u>0</u>

Look for the following species: Purple loosestrife, Phragmites, flowering rush, Hydrilla, Brazilian waterweed, Eurasian water-milfoil, curly-leaf pondweed, yellow floating heart, zebra mussel, quagga mussel, Chinese mystery snail, banded mystery snail, faucet snail, New Zealand mud snail. List any other AIS found.

STEP 1: Record locations of sites (in decimal degrees) using a GPS unit (datum WGS84). List AIS found at each site or record none. Collect a sample of any suspected AIS found.

Boat Landing#	Species	Latitude	Longitude	Density (1-5)
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Boat Landing#	Species	Latitude	Longitude	Density (1-5)
Search Site# <u>1</u>	Species <u>CMS - 3 empty shells</u>	Latitude	Longitude	Density (1-5) <u>1</u>
Search Site# <u>2</u>	Species <u>baby mystery snails - no adults</u>	Latitude	Longitude	Density (1-5) <u>2</u>
Search Site# <u>3</u>	Species <u>baby mystery snails - on plants</u>	Latitude	Longitude	Density (1-5) <u>2</u>
Search Site# <u>4</u>	Species <u>baby mystery snails</u>	Latitude <u>private landing east of narrows</u>	Longitude <u>private landing east of narrows</u>	Density (1-5)
Search Site# <u>5</u>	Species <u>rocky</u>	Latitude <u>North end of Seefeld's Island across from</u>	Longitude <u>North end of Seefeld's Island across from</u>	Density (1-5)
Search Site#	Species	Latitude	Longitude	Density (1-5)
Meander Survey# <u>1</u>	Species <u>Purple loosestrife</u>	Latitude <u>Directly across from Penny Lk. entrance just south of</u>	Longitude <u>Directly across from Penny Lk. entrance just south of</u>	Density (1-5) <u>1</u>
Meander Survey#	Species	Latitude	Longitude	Density (1-5)
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Potamogeton, P. epiphyticus, P. gramineus, Nuphar, Brasenia, Schenoplectus subterminalis, Val, Flutina erecta, Najas gracilima, Common bladder, Coontail, Najas flex, Water marigold, Erodea, Spikerush, Swamp loosestrife, bulrush

Step 2: Label each specimen collected with species, collector, date, lake name, WBIC and Location # Send your specimens to an expert for verification. Instructions on how to voucher specimens and a list of statewide taxonomy experts can be found at: <http://dnr.wi.gov/invasives/aquatic/whattodo/staff/>

Step 3: Data was entered into SWIMS on _____ by _____
Date Name

Notes:

Too dark to snorkel. ZM & SWF tows taken.

Density Ratings

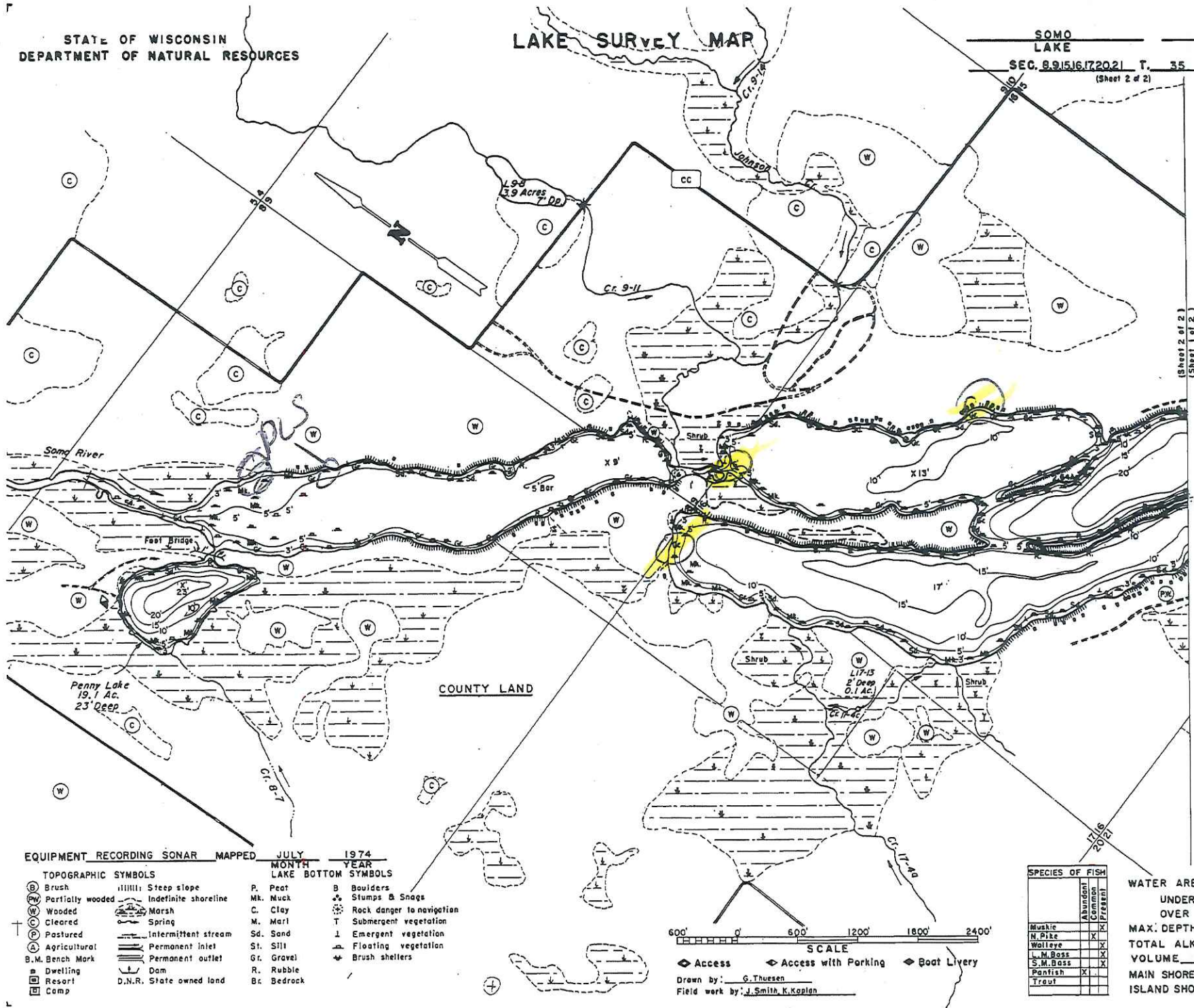
- 1 – A few plants or invertebrates
- 2 – One or a few plant beds or colonies of invertebrates
- 3 – Many small beds or scattered plants or colonies of invertebrates
- 4 – Dense plant, snail or mussel growth in a whole bay or portion of the lake
- 5 – Dense plant, snail or mussel growth covering most shallow areas

General guidance on areas to search for the 10 minute quick snorkel search sites:

- Check rocks for zebra/quagga mussels, faucet snails and New Zealand mudsnails.
- Check around small backyard boat launches.
- Check near creek inlets (especially if AIS are found upstream).
- Check the stems of emergent vegetation for climbing faucet snails.
- Check areas downwind of large boat landings.

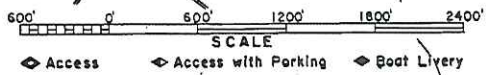
LAKE SURVEY MAP

SOMO LAKE
COLN COUNTY
SEC. 8, 9, 15, 16, 17, 20, 21 T. 35 N. R. 5 E.
(Sheet 2 of 2)



EQUIPMENT RECORDING SONAR MAPPED JULY 1974
MONTH YEAR

- | TOPOGRAPHIC SYMBOLS | | LAKE BOTTOM SYMBOLS | |
|---------------------|----------------------------|---------------------|-----------------------------|
| (B) Brush | Steep slope | P. Peat | B Boulders |
| (PW) Partly wooded | - - - Indefinite shoreline | Mk. Muck | ⚓ Stumps & Snags |
| (W) Wooded | Marsh | C. Clay | ⚠ Rock danger to navigation |
| (C) Cleared | Spring | M. Marl | T Submergent vegetation |
| (P) Pastured | Intermittent stream | Sd. Sand | ↑ Emergent vegetation |
| (A) Agricultural | Permanent inlet | St. Silt | ⚓ Floating vegetation |
| B.M. Bench Mark | Permanent outlet | Gr. Gravel | ⚓ Brush shelters |
| ▣ Dwelling | Dam | R. Rubble | |
| ▣ Resort | D.N.R. State owned land | Bc. Bedrock | |
| ▣ Camp | | | |



Drawn by: G. Thuesen
Field work by: J. Smith, K. Kaplan

SPECIES OF FISH	ABUNDANCE	
	Abundant	Common
Muskie		X
N Pike	X	X
Walleye		X
L.M. Bass		X
S.M. Bass		X
Panfish	X	
Trout		

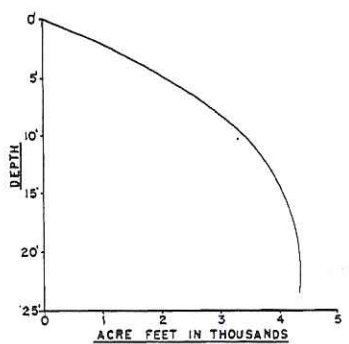
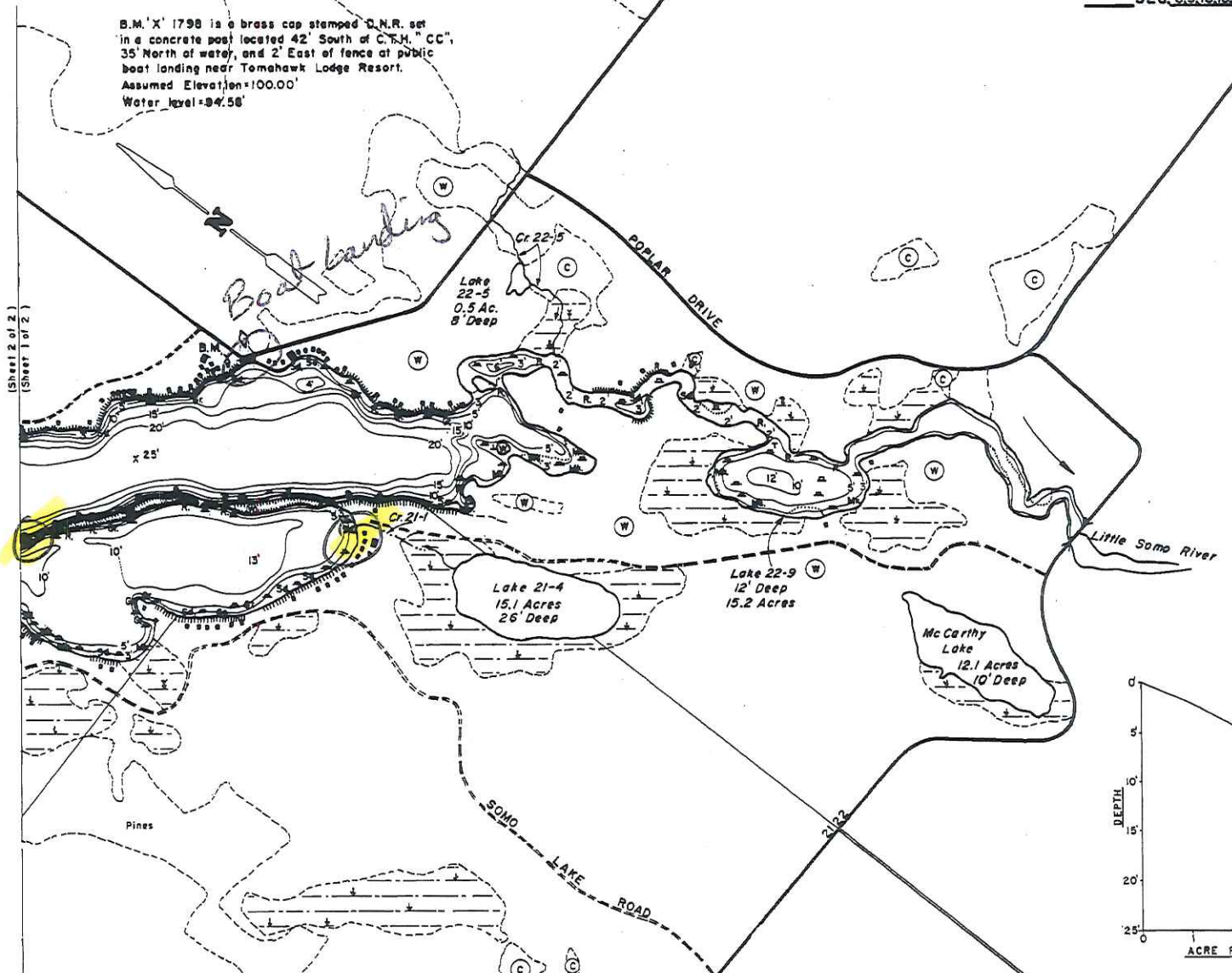
WATER AREA 472.3 ACRES
UNDER 3 FT. 11.07 %
OVER 20 FT. 0.45 %
MAX. DEPTH 25 FEET.
TOTAL ALK. 19 P.P.M.
VOLUME 4334.6 ACRE FT.
MAIN SHORELINE 11.86 MI.
ISLAND SHORELINE 2.3 MI.

(Sheet 1 of 2)
(Sheet 2 of 2)



B.M. 'X' 1798 is a brass cap stamped D.N.R. set in a concrete post located 42' South of C.T.M. 'CC', 35' North of water, and 2' East of fence at public boat landing near Tomahawk Lodge Resort.
Assumed Elevation = 100.00'
Water level = 94.56'

(Sheet 2 of 2)
(Sheet 1 of 2)



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TOPOGRAPHIC SYMBOLS		LAKE BOTTOM SYMBOLS	
(B) Brush	(S) Steep slope	P. Peat	B Boulders
(W) Partially wooded	(I) Indefinite shoreline	Mk. Muck	⊕ Stumps & Snags
(W) Wooded	(M) Marsh	C. Clay	⊗ Rock danger to navigation
(C) Cleared	(S) Spring	M. Marl	T Submergent vegetation
(P) Pastured	(IS) Intermittent stream	Sd. Sand	⊥ Emergent vegetation
(A) Agricultural	(PI) Permanent inlet	Sl. Silt	⊥ Floating vegetation
B.M. Bench Mark	(PO) Permanent outlet	Gr. Gravel	⊥ Brush shelters
(D) Dwelling	(D) Dam	R. Rubble	
(R) Resort	(D.N.R.) State owned land	Bc Bedrock	
(C) Camp			

600' 0' 600' 1200' 1800' 2400'
SCALE
◊ Access ◊ Access with Parking ◊ Boat Livery
Drawn by: G. Thibault
Field work by: J. Smith, K. Kaplan

SPECIES OF FISH	Abundance	
	Percent	Present
Muskie		X
N. Pike	X	X
Walleye	X	X
L. M. Bass	X	X
S. M. Bass	X	X
Panfish	X	
Trout		

WATER AREA 472.3 ACRES
UNDER 3 FT. 11.07 %
OVER 20 FT. 0.45 %
MAX. DEPTH 25 FEET.
TOTAL ALK. 19 P.P.M.
VOLUME 4334.60 ACRE FT.
MAIN SHORELINE 11.86 MI.
ISLAND SHORELINE 2.3 MI.

